

EUROPEAN PATENT OFFICE

Patent Abstracts of Japan

PUBLICATION NUMBER : 11157805
PUBLICATION DATE : 15-06-99

APPLICATION DATE : 01-12-97
APPLICATION NUMBER : 09343615

APPLICANT : CHISSO CORP;

INVENTOR : OYAMA MASAKO;

INT.CL. : C01B 11/02 // A61L 2/18

TITLE : PRODUCTION KIT FOR AQUEOUS CHLORINE DIOXIDE, AQUEOUS CHLORINE DIOXIDE PRECURSOR COMPOSITION AND PRODUCTION OF AQUEOUS CHLORINE DIOXIDE

ABSTRACT : PROBLEM TO BE SOLVED: To provide a production kit for aq. chlorine dioxide with which a small amt. of aq. chlorine dioxide in relatively low concn. can be timely, easily and safely produced on-site in high purity, and to provide an aq. chlorine dioxide precursor compsn. and a producing method for aq. chlorine dioxide.

SOLUTION: This production kit for aq. chlorine dioxide contains a chlorite soln., acid and chloride of alkali metals or the like. In the kit, the chlorite soln. is kept in a state of not contacting with the acid during the kit is not used for the production. To produce aq. chlorine dioxide, the chlorite soln. is statically added to the mixture liquid of the acid, alkali metal chloride and water and left to stand for 30 sec to 10 min and then, the two liquids are mixed.

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